



## **Natural and Anthropogenic charge on the karst ecosystems and problems in Golo Bardo thrust unit (Bulgaria)**

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With the work presented the development and the ecological problems of two recent karst systems in Bulgaria are examined. These systems are the Bosnek one (Vitosha mountain) and the Golo Bardo one (Golo Bardo mountain). Both mountains have uneven orogenic growth during Quaternary which leads to karst forming at various karstification stages. As a result of the neotectonic movements the asymmetric recent landscapes are shaped on the background of multiple re-shaping of old landscape karst systems at different levels. The differences in the recent tectonic processes rate resulted in different intensity of recent karst processes and to re-distribution of mobile chemical elements within the radial and lateral landscape-geochemical structure. In both karst ecosystems Bosnek and Golo Bardo reserves and natural landmarks protected by Bulgarian legislation are situated. However, in immediate vicinity to these protected territories the industrial complexes Pernik-Batanovtzi and Radomir are located, which pollute and disturb the integrity of karst landscape structures.